

## I. AMENDMENTS

### Amendments to the Specification

Please amend the Specification as follows:

Please amend page 1, second full paragraph as follows:

Conventionally, various portable terminal devices such as folding phones are equipped with an open/close mechanism such as a folding mechanism and that contains an open/close detector which detects the opening and closing of the open/close mechanism.

Please amend page 1, third full paragraphs as follows:

For example, ~~Patent Documents 1, 2, and 3~~ discloses Japanese Reference Nos. 9-166405, 2002-125025 and 2002-204294 disclose a structure for use in a foldable device, such as a folding phone, equipped with a magnet on one of the parts which face each other when the device is folded, and a magnetic sensor on the other part, so that the magnetic sensor will detect magnetic force of the magnet when the device is folded.

Please amend page 1, fourth full paragraph extending over to page 2 as follows:

Figs. 1 and 2 are schematic diagrams showing an open/close detector disclosed in ~~Patent Documents 1, 2, and 3~~ the three above-cited Japanese references, with Fig. 1 showing the folding phone when it is open and Fig. 2 showing the folding phone when it is closed.

Please amend page 2, second full paragraph as follows:

Figs. 3 and 4 are explanatory diagrams illustrating the principle of open/close detection of the folding phone shown in Figs. 1 and 2. Fig. 3 shows a case in which the distance "a" between the magnetic sensor 113 and magnet 122 is sufficiently large while Fig. 4 shows a case in which the distance "a" between the magnetic sensor 113 and magnet 122 is sufficiently small.

Please amend page 4, third full paragraph extending over to page 5 as follows:

Although not shown, another example of a cell phone equipped with an open/close

mechanism is a cell phone consisting of an upper part and a lower part which pivots around a pivot shaft perpendicular to the front face of the upper part and equipped with a so-called turn-type open/close mechanism in which the lower part turns 180 degrees between a closed state in which the lower part covers the front face of the upper part completely and an open state in which the lower part reveals the front face of the upper part(see Patent Document 4).

[Patent Document 1]

——— Japanese Patent Laid Open No. 9-166405 (Fig. 2)

[Patent Document 2]

——— Japanese Patent Laid Open No. 2002-125025 (Fig. 1)

[Patent Document 3]

——— Japanese Patent Laid Open No. 2002-204294 (Fig. 1)

[Patent Document 4]

——— Japanese Patent Laid Open No. 2002-344592, as shown in Japanese Reference No. 2002-344592.

Please amend page 5, first full paragraph as follows:

Although the configuration which is disclosed in ~~Patent Documents 1 to 3 and~~ and the first three above-cited Japanese references detects opening and closing by means of a magnetic sensor attached to one part and a magnet attached to the other part is applicable to various types of cell phone and a wide range of other portable terminal devices as described with reference to Figs. 1 to 7, since the magnetic sensor and magnet, which are contained in different cases, must be disposed in opposing relation to each other when the phone is closed, there is the problem that extra man hours are required for position adjustment. There is also the problem that a dropping the device, or the like, may cause misalignment between the magnetic sensor and magnet, resulting in detection failure. With this detection mechanism, the magnetic sensor and magnet align in the thickness direction of the closed cell phone in a closed state. This makes it necessary to internally mount the magnet using a dual structure, increasing the thickness of the closed cell phone because of a complicated magnet-fastening structure and the like, and thus goes against the demand for thickness reductions.

Please amend page 7, second full paragraph as follows:

To achieve the above objects, the present invention provides a portable terminal device

equipped with a first part and a second part openable and closable in relation to the first part, the portable terminal device including: a magnet and a magnetic sensor attached to one of the first part and the second part; and a magnetic body which is attached to the other of the first part and the second part and leads magnetic force of the magnet attached to the one of the two parts to the magnetic sensor attached to the one of the two parts when the second part is closed over the first part.

Please amend page 11, third full paragraph as follows:

Fig. 10 shows a case in which the distance "a" of the magnetic plate 422 from both magnetic sensor 413 and magnet 414 is sufficiently large while Fig. 11 shows a case in which the distance "a" of the magnetic plate 422 from both magnetic sensor 413 and magnet 414 is sufficiently small.

Please amend page 12, second full paragraph as follows:

By making the magnetic plate 422 a little wider, it is possible to ensure reliable detection even if the magnetic sensor 413 and magnet 414 are a little out of alignment, reduce the man hours required for position adjustments during assembly, and provide a structure resistant to misalignment due to a dropping, or the like.

Please amend page 17, fourth full paragraph extending over to page 18 as follows:

With this sliding phone 80, again the opening and closing of the sliding part 82 is detected according to the principle described with reference to Figs. 10 and 11. Also, since the magnetic sensor 813 and magnet 814 do not overlap in the direction of thickness, the sliding phone 80 can be made thinner in overall thickness as well as in the thickness of the sliding part than the conventional one shown in Figs. 6 and 7. Besides, the sliding phone 80 has greater tolerance for misalignment of the magnetic sensor 813 and magnet 814 than do conventional sliding phones, as is the case with the other embodiments described above.